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Joint Battle Management Command and Control Roadmap

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Why a JBMC2 Roadmap

- Set goals and direction for JBMC2 efforts
- Clearly state roles and responsibilities
- Communicate Commander USJFCOM's intent with respect to JBMC2
- Build consensus and harmonize Service/COCOM and Agency JBMC2 activities
  - Concept, doctrine, integrated architecture development, training, experimentation
  - JBMC2 oversight activities
- Prioritize JBMC2 resources, protect Service equities
- Establish scope on JBMC2 efforts and initiatives

Selecting a Roadmap

- **Roadmaps are planning tools**

- **Various types:**
  - Descriptive – Used to delineate various paths to achieve the stated goal(s)
  - Prescriptive – Used as a strategy for acquiring, fielding, and sustaining the required capabilities
  - Research or S&T – Used to identify and highlight gaps between available technologies and required capabilities

Goal of a JBMC2 Roadmap

A coherent and executable plan that will lead to interoperable and integrated JBMC2 capabilities

A JBMC2 Roadmap will……

- Support achieving net-centric capabilities providing:
  - Real-time shared situational awareness
  - Fused, precise and actionable intelligence
  - Decision superiority
  - Responsive and precise targeting information
  - Ability to conduct coherent distributed and dispersed operations

JBMC2 Roadmap will….

- Support achieving an interoperable and networked joint force that will facilitate implementation of emerging joint warfighting concepts:
  - Standing Joint Force Headquarters
  - Collaborative Information Environments
  - Operational Net Assessment
  - Effects Based Operations
  - Joint Interagency Coordination Group

JBMC2 Roadmap Partnership

MID 912

"Expands the ***USJFCOM*** role in ***establishing joint BMC2 mission/capability area requirements and in identifying system-of-system capability requirements.*** In this expanded role, USJFCOM, in coordination with CJCS, will lead Combatant Commanders in the development of joint doctrine, concepts, requirements and integrated architectures for interoperability and connectivity."

DoD 5000.2

"Using integrated architectures, ***USD (AT&L)*** shall lead the ***development of integrated plans or roadmaps***. DoD shall use these roadmaps to ***conduct capability assessments, guide systems development, and define the associated investment plans*** as a basis for aligning resources and as an input into DPG, POM development and Program Budget Reviews."

Development of a Joint BMC2 Roadmap

JBMC2 Roadmap Integrated Capability Goals

- Focus on Interoperability to the tactical level
- Ensure current JBMC2 capabilities are integrated and interoperable
- Ensure planned POM'd JBMC2 programs will be integrated and interoperable, e.g., FCS, FORCEnet
- Develop complementary non-material JBMC2 capabilities
  - Employ a synchronized approach across DOTMLPF spectrum
- JFCOM to utilize MID 912 and related initiatives to ensure an integrated family of interoperable operating pictures
  - DJC2, SIAP, SIGP, FORCEnet (SIMP), SISP, etc.
- Make legacy JBMC2 systems interoperable by 2008 or …phase out legacy systems by 2008 that cannot be made interoperable (on a cost comparison basis)

JBMC2 Roadmap Focus

- Providing joint warfighting capabilities on a priority basis for critical mission threads:
  - Joint Close Air Support
  - Time Sensitive Targeting
  - Joint Command and Control
  - Joint Ground Maneuver
  - Integrated Air and Missile Defense
  - Joint Integrated Fires
  - Joint Focused Logistics
- Addressing & synchronizing all DOTMLPF aspects
- Aligning mission thread requirements to and providing context for:
  - Programmatic decisions regarding legacy and “pathfinder”programs

The DOTMLPF Approach

- Develop an overall DOTMLP action plan for JBMC2 through the construction of a series of mission threads

- Identify, develop, synchronize, manage, execute and track relevant DOTMLPF elements
  - Incorporate all as-is information
  - Cross Check with DoD specific and implied actions
  - Develop recommended actions required to achieve desired operational capability
  - Determine opportunities to synchronize material and non-material components
  - Assess, vet, execute and track approved actions across DOTMLPF spectrum to align and synchronize delivery of the capability to the field
  - Draft mission thread specific DOTMLP action plan

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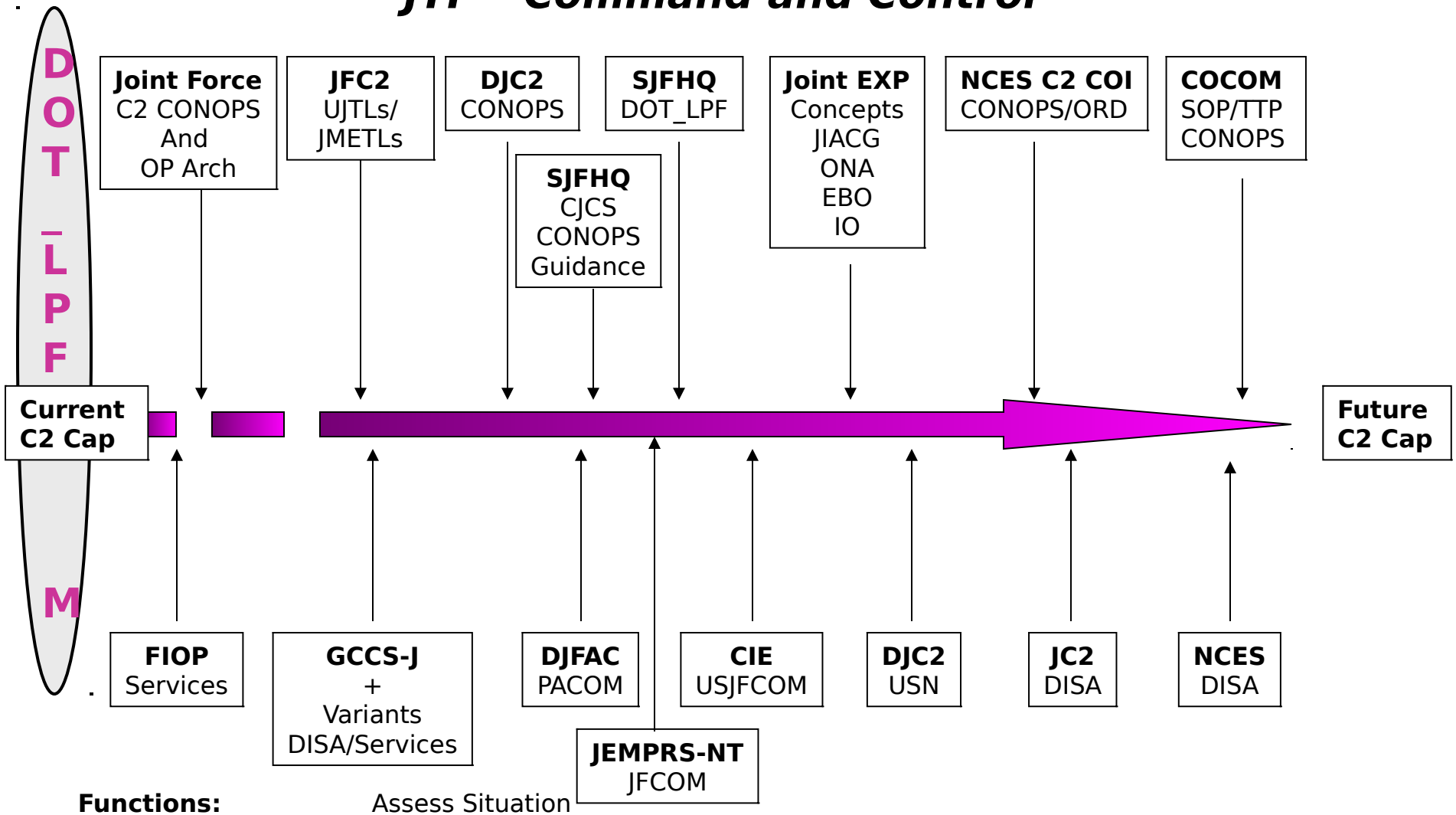
JTF – Command and Control

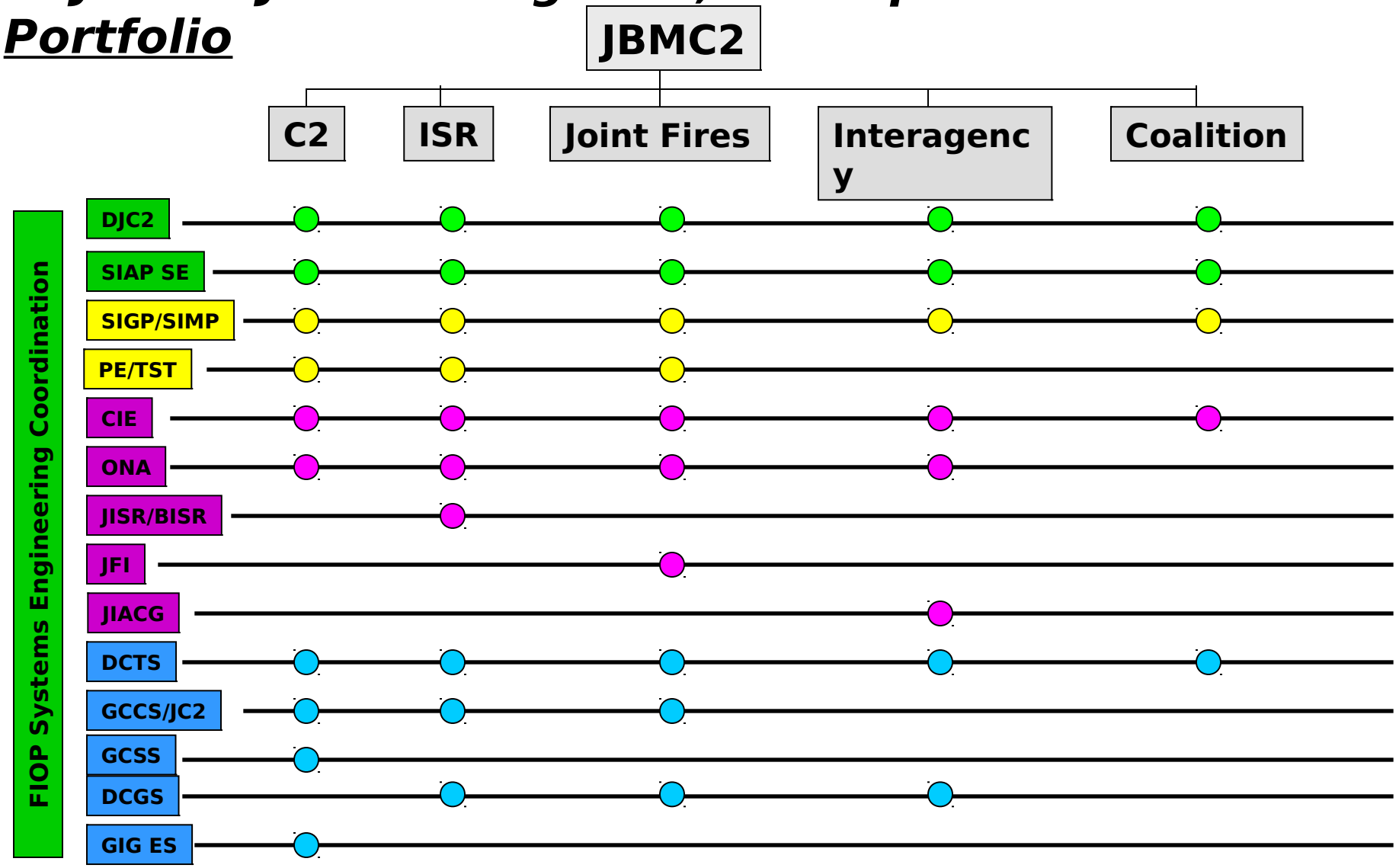


Functions:

Assess Situation
Prep Plans & Orders
C2 Forces
Gain Information Superiority
Logistics
Force Projection

EXAMPLE

USJFCOM JBMC2 Programs, Concepts and Initiatives Portfolio



Programs/Initiatives directed by MID 912

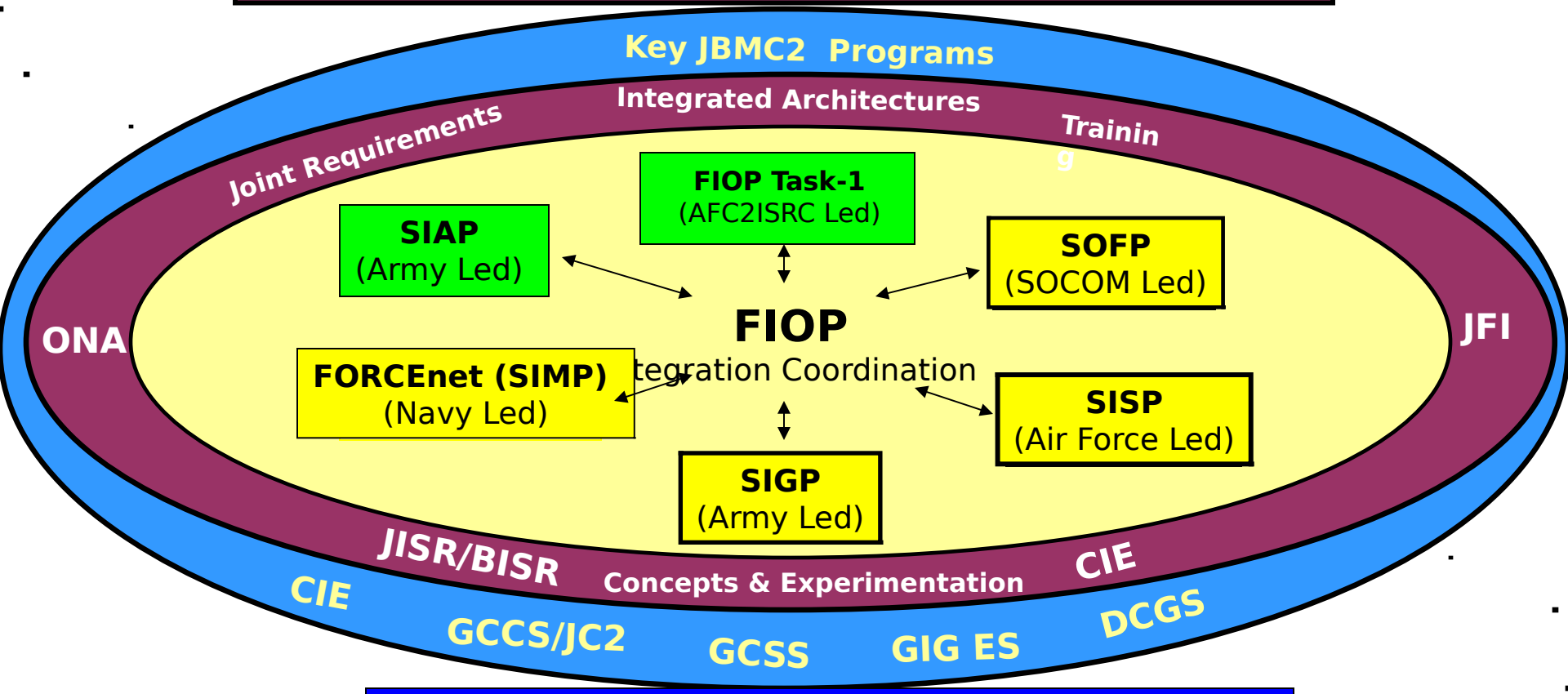
Programs/Initiatives currently being developed by USJFCOM

Programs/Initiatives proposed for expansion by MID 912

Programs/Initiatives recommended for inclusion as JBMC2 programs

JBMC2

USJFCOM
In partnership with USD AT&L, JS, COCOMs, USD (I), ASD (NII)
Doctrine, Organization, Training, Materiel, Leadership, Personnel, Facilities (DOTMLPF)
Synchronization across all aspects of JBMC2



Joint Distributed Engineering Plant (JDEP)

SIAP - Single Integrated Air Picture
SIGP - Single Integrated Ground Picture
SIMP – Single Integrated Maritime Picture

SISP - Single Integrated Space Picture
SOFP – Special Operation Force Picture
COP – Common Operational Picture
CTP – Common Tactical Picture

Candidate programs/Initiatives for expansion by MID 912
Programs/Initiatives recommended for inclusion as JBMC2 programs
Programs/Initiatives directed by MID 912
Programs/Initiatives currently being developed by USJFCOM

Summary

- JBMC2 Roadmap:
  - Provides a technical companion to MID 912 for executing JBMC2 programs, initiatives and responsibilities
  - Supports Joint Force Commander execution of joint operations

Back Up